

METHOD FOR QUADRATURE PHASE DECODING ALLOWING FOR SKIPPED STATES

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ABSTRACT

A method for decoding a pair of quadrature signals. The method includes obtaining three different samples of the quadrature outputs at three different times. A last sample direction is then determined from the first two samples. The last sample direction, and the second and third samples are then used to determine an output that may identify a skipped state, if a skipped state occurred. The last sample direction may be determined previous to obtaining the third sample, or it may be determined on the fly. A user pointing device in accordance with the invention is also discussed.

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